Cytometer Baseline Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/07/2022 09:56 AM
Tube Loaded Manually:	Yes		
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)		

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	PMTV	New Target Value	Old Target Value	Bright Bead %Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV	Dim Bead Median Channel	Dim Bead % Robust CV
Blue	FSC	FSC	569	125000	125000	5.07	117856	5.03	22650	5.23
Blue	F	SSC	528	125000	125000	5.5	126973	5.71	54926	5.37
Blue	E	FITC	493	14321	14259	5.48	347	15.38	53	60.11
Blue	D	PE	499	25321	24228	5.41	587	12.02	113	41.29
Blue	B	PerCP-Cy5-5	598	37127	36131	5.92	1012	16.26	137	48.38
Blue	A	PE-Cy7	641	24712	24863	7.98	481	33.74	57	103.78
Red	C	APC	587	49381	48434	4.91	1732	12.64	329	28.21
Red	A	APC-Cy7	564	29319	28384	5.51	769	13.76	102	44.66
Violet	B	V450	458	9358	9520	6.3 (1)	518	12.98	83	52.95
Violet	A	V500	474	39828	38600	6.17	1037	10.41	128	35.69

Detector Settings (Continued)

Laser	Detector	Parameter	Linearity Min Channel	Linearity Max Channel	Slope	Intercept	Electronic Noise Robust SD	Qr	Br
Blue	FSC	FSC	N/A	N/A	0.0040	2.8	N/A	N/A	N/A
Blue	F	SSC	N/A	N/A	6.8459	-13.5	N/A	N/A	N/A
Blue	E	FITC	137	248044	7.3453	-15.6	23.5	0.0422	212
Blue	D	PE	45	247961	7.2606	-15.2	23.5	0.3812	343
Blue	B	PerCP-Cy5-5	230	242855	7.3369	-15.8	25.6	0.0185	107
Blue	A	PE-Cy7	228	242848	7.4627	-16.6	23.4	0.0184	1
Red	C	APC	122	244185	7.3958	-15.8	20.9	0.0248	131
Red	A	APC-Cy7	153	243405	7.4450	-16.0	20	0.0055	1014
Violet	B	V450	215	247772	7.3896	-15.7	17.7	0.0583	2666
Violet	A	V500	95	246347	7.5785	-15.7	19.4	0.0249	1644

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.45	-31.32	1.19
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	14.78	13.90 - 20.86	N/A	N/A	29.77	29.91	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 12340

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments

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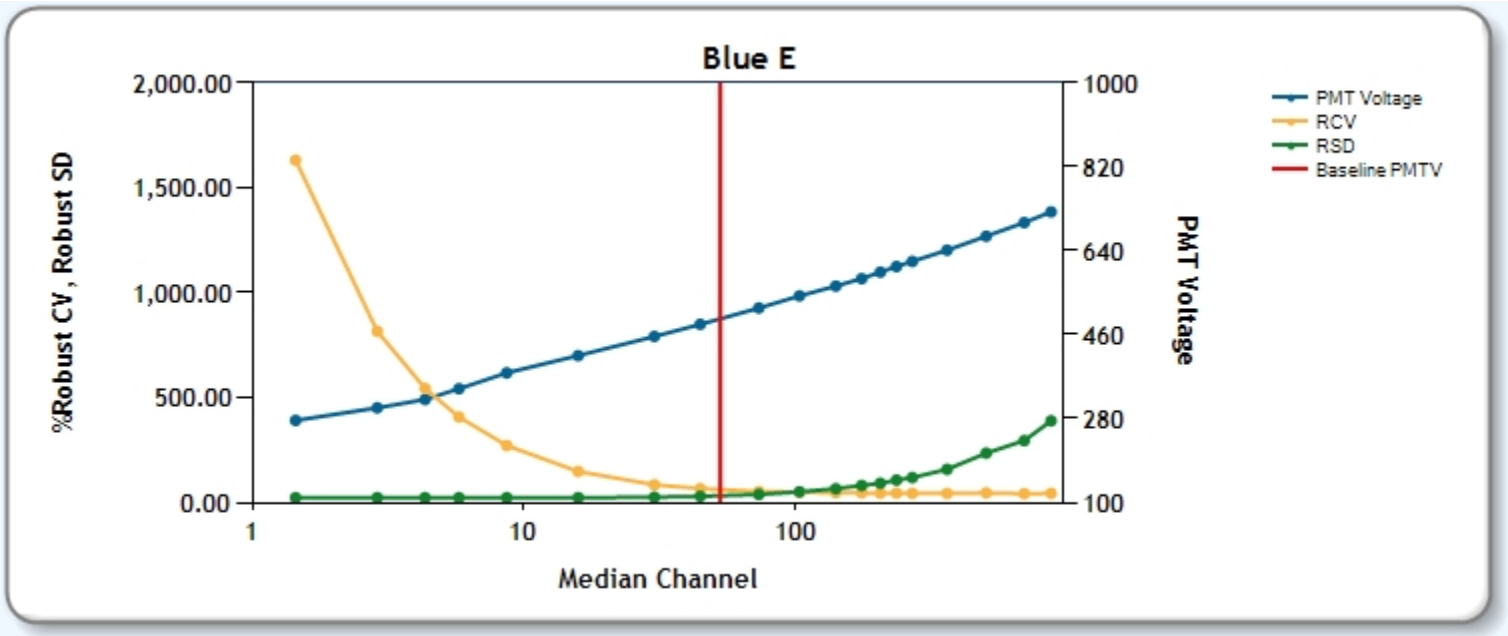
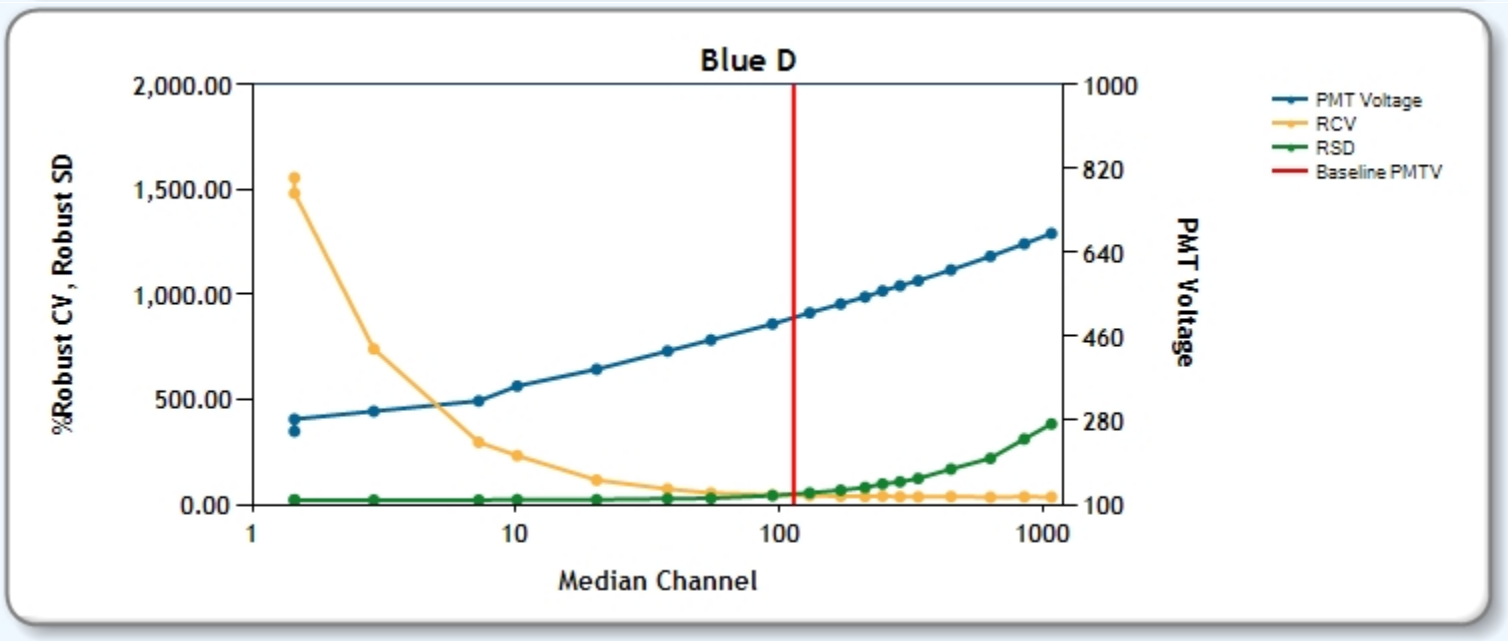
PMTV Optimization Results





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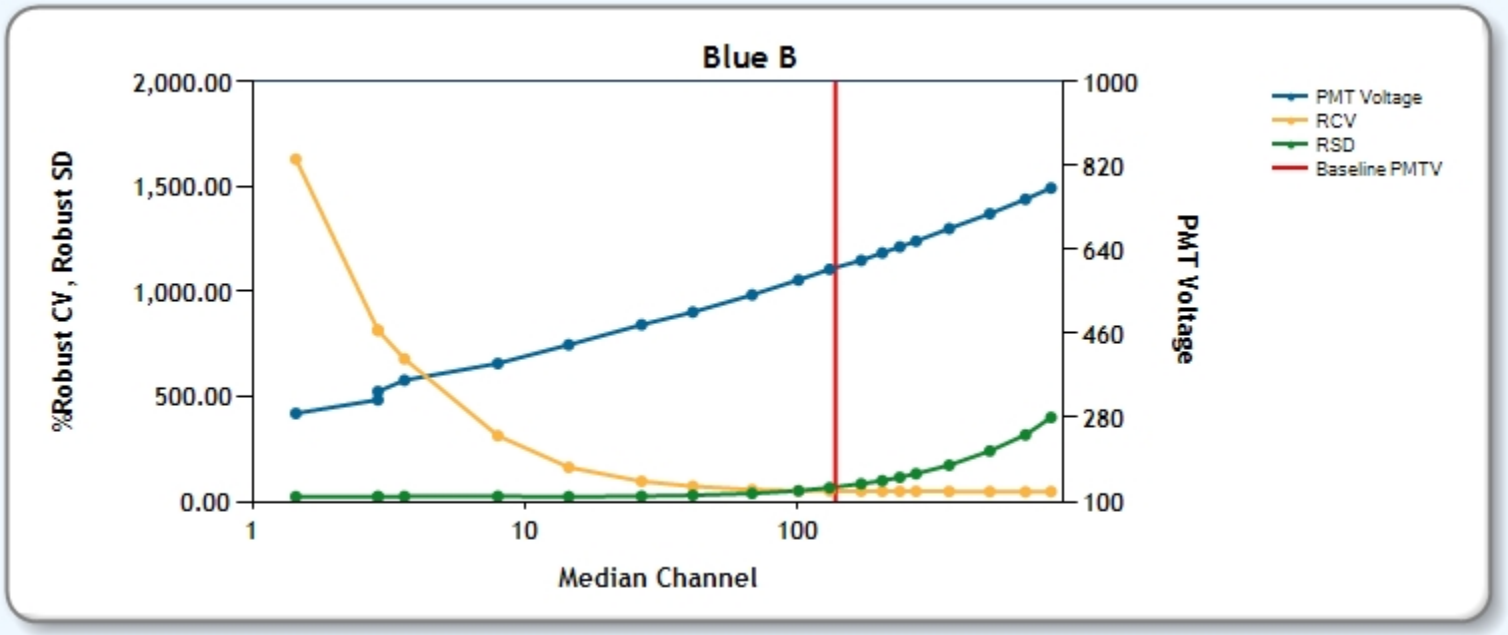

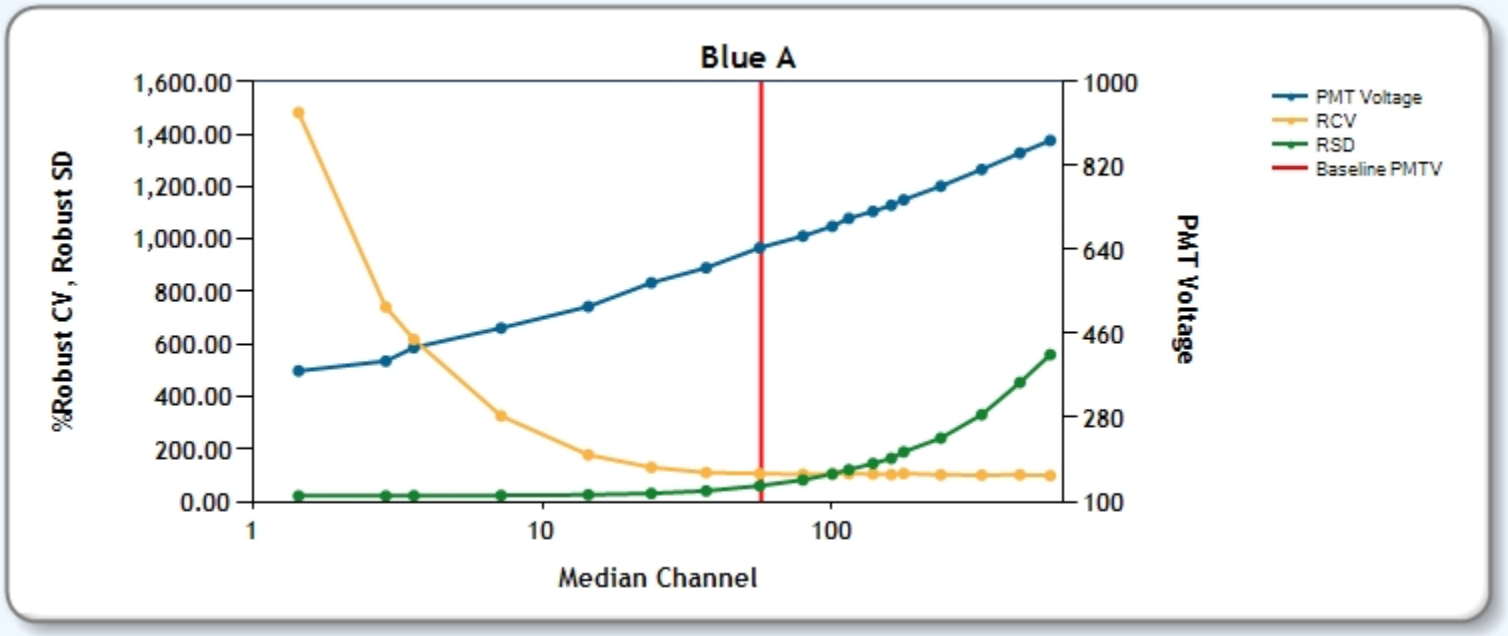

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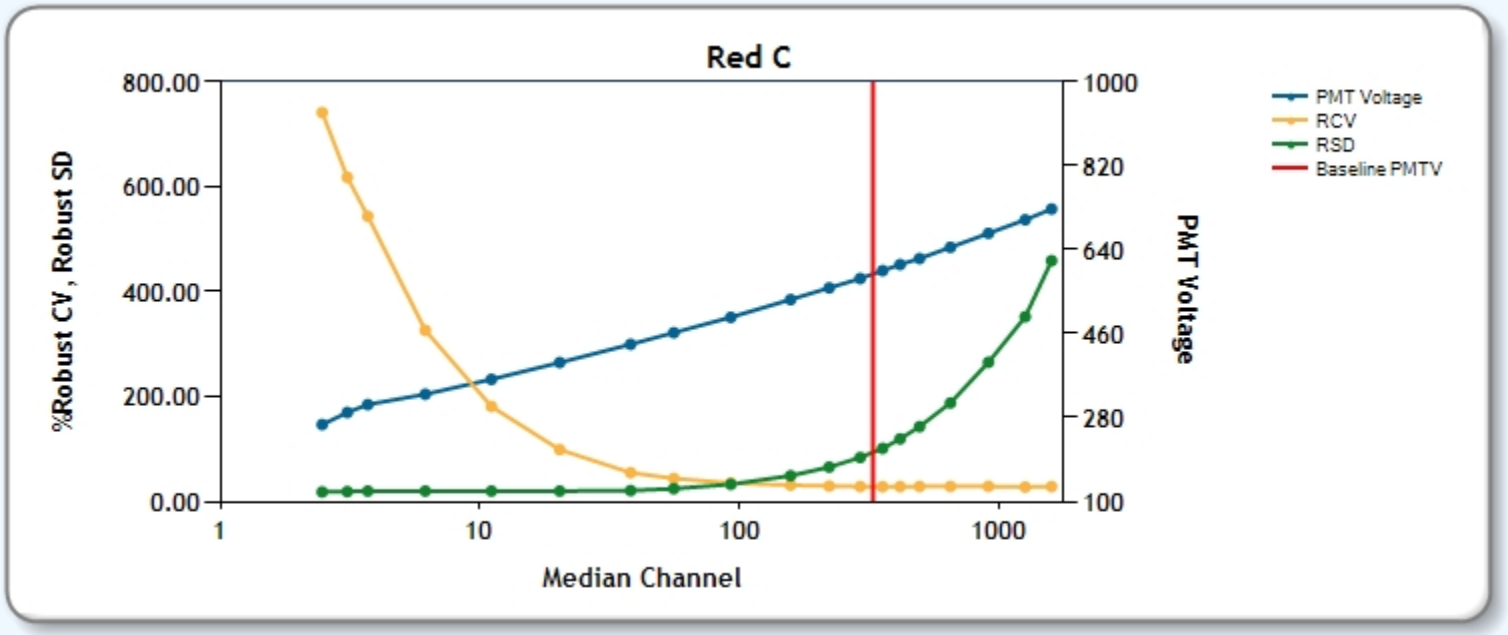

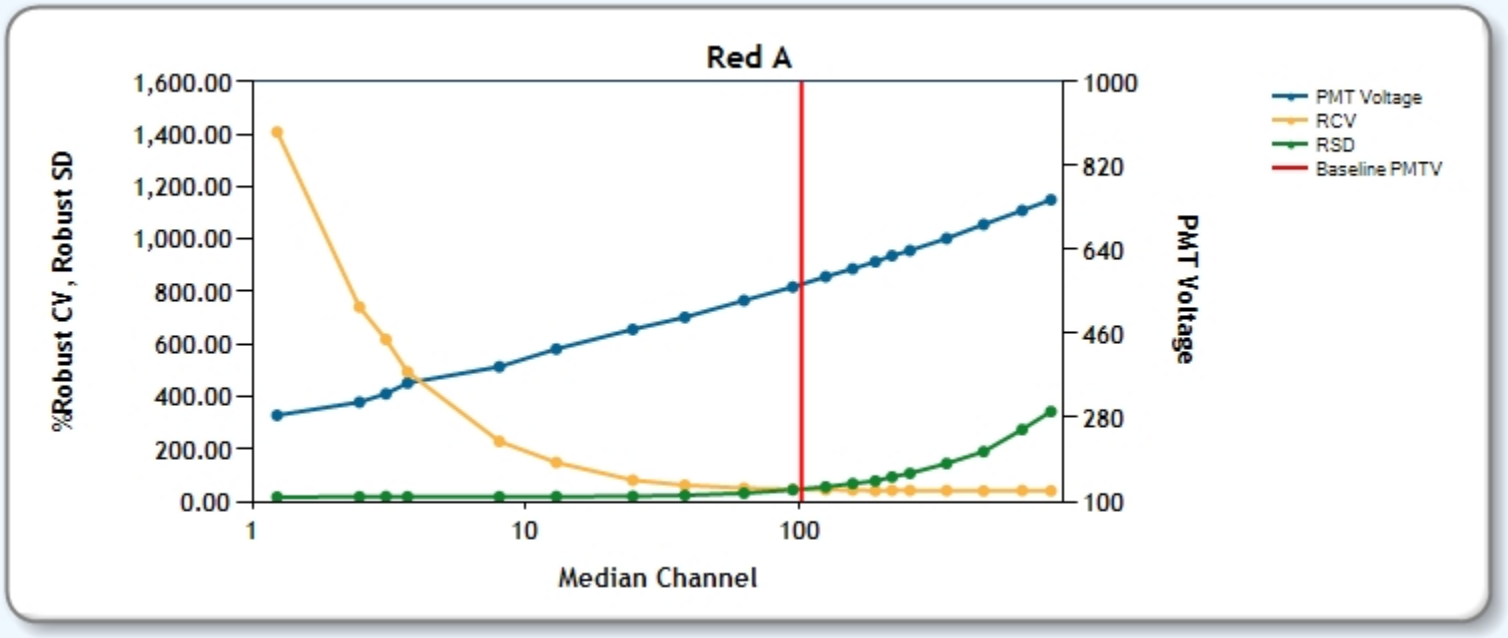

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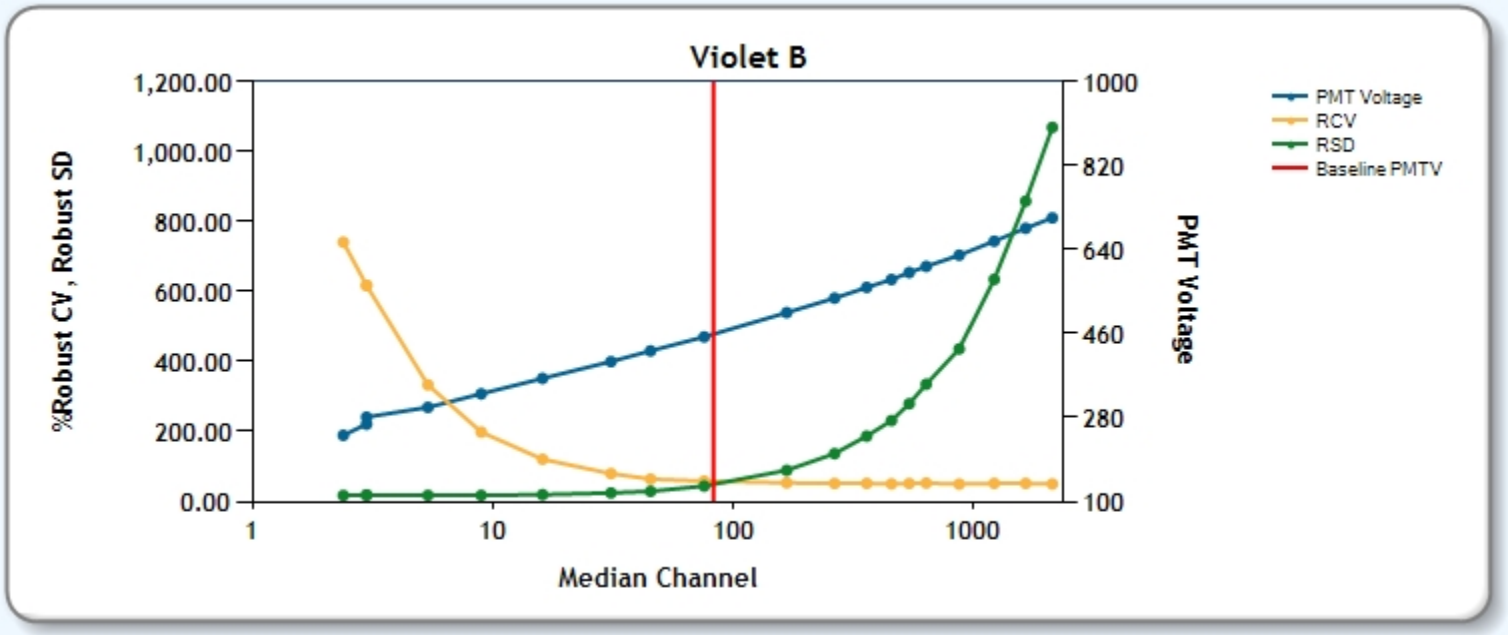

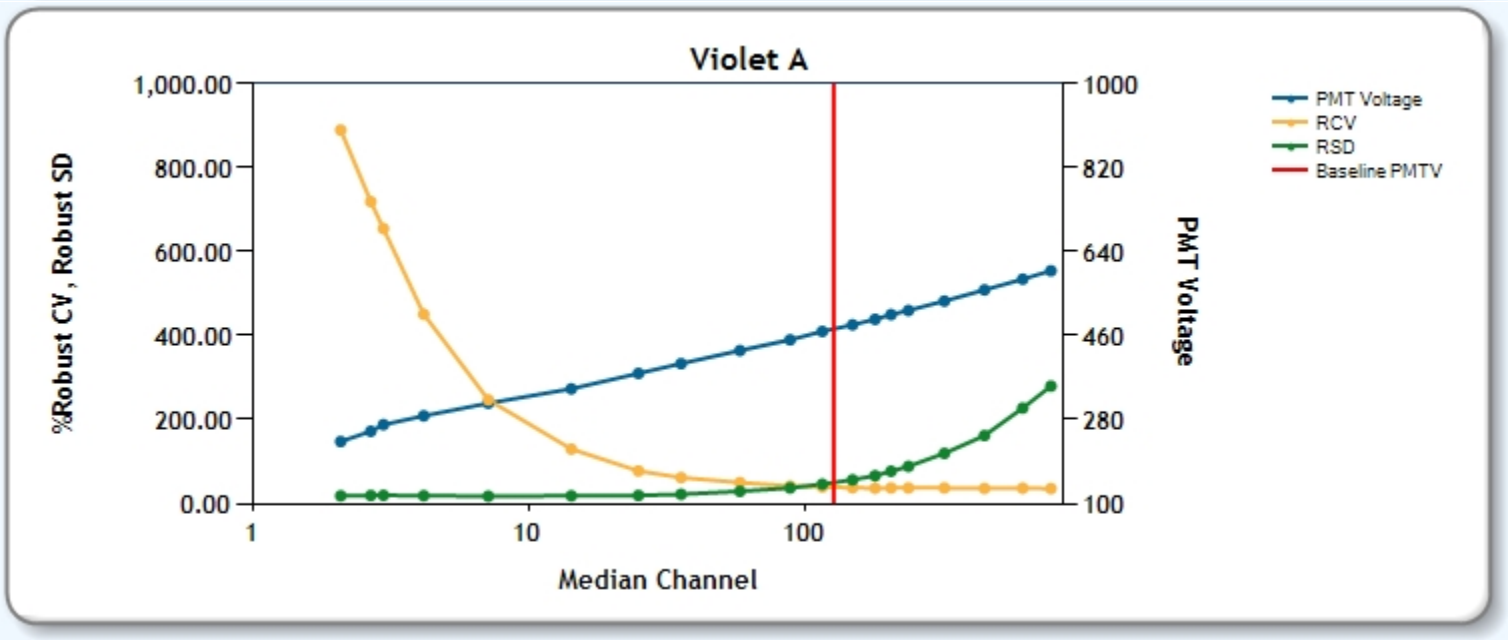

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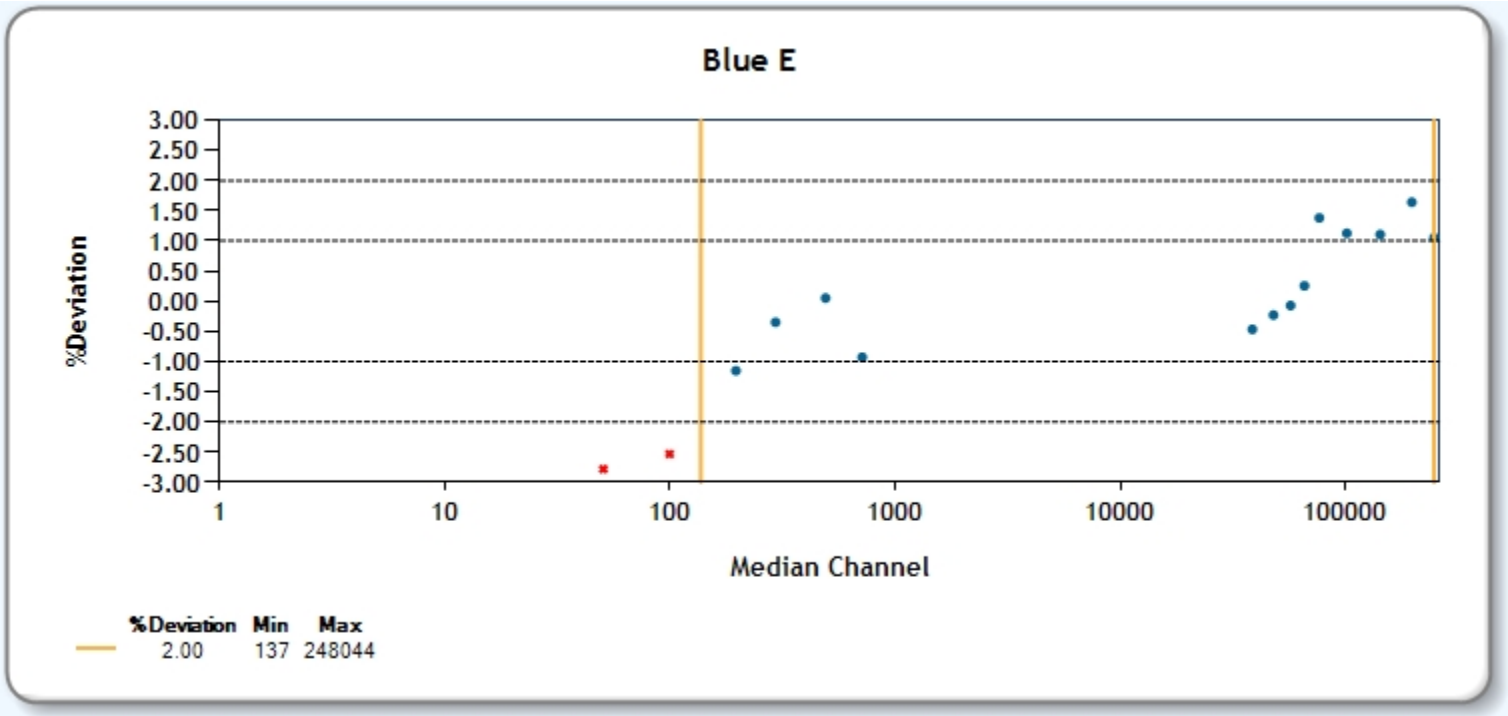
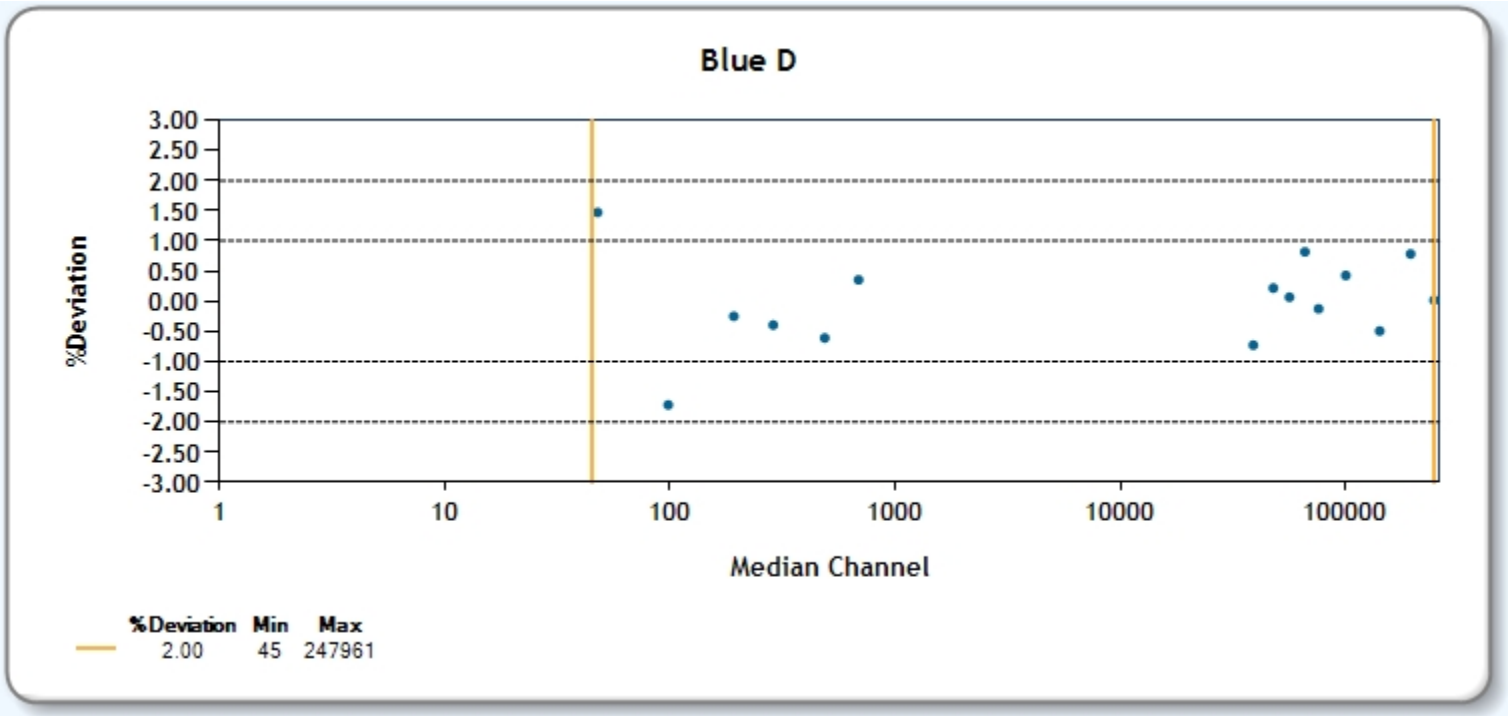
Linearity Results





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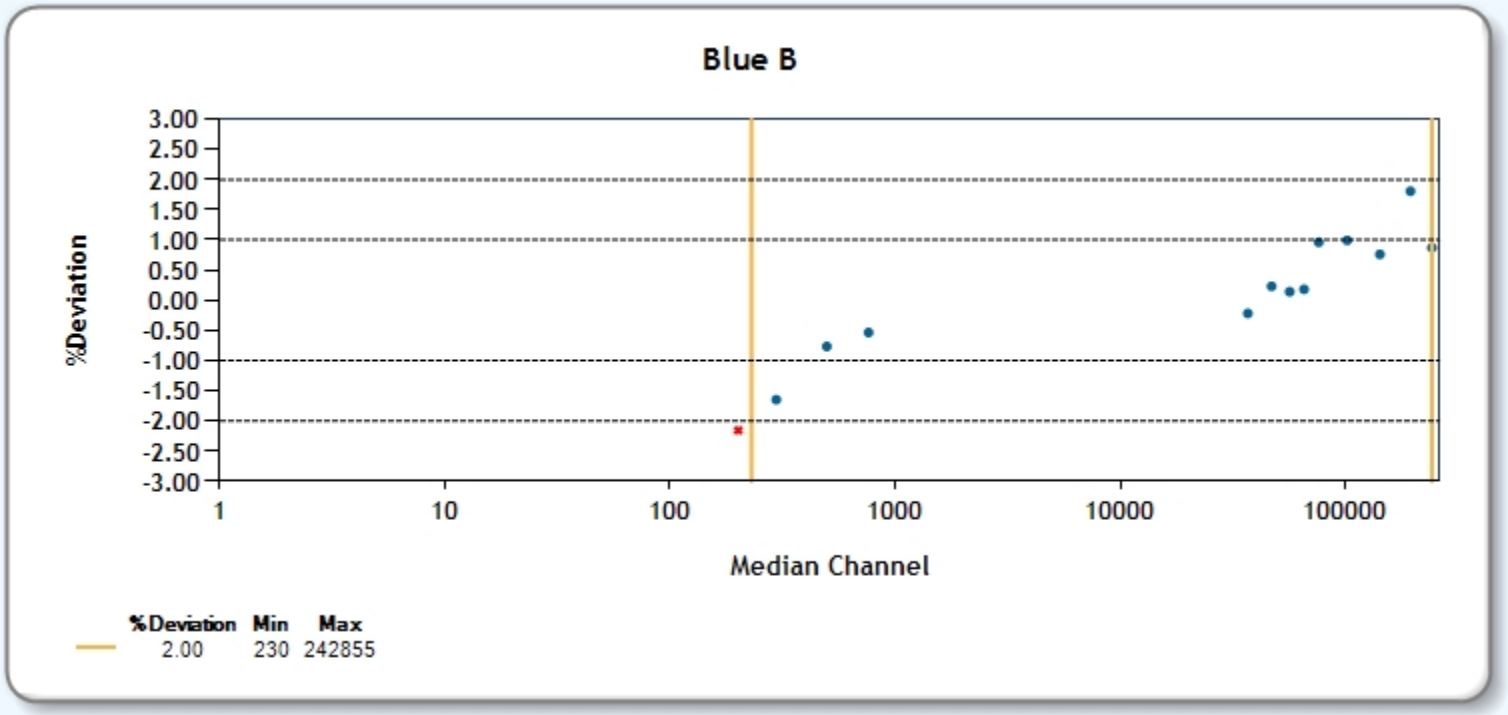

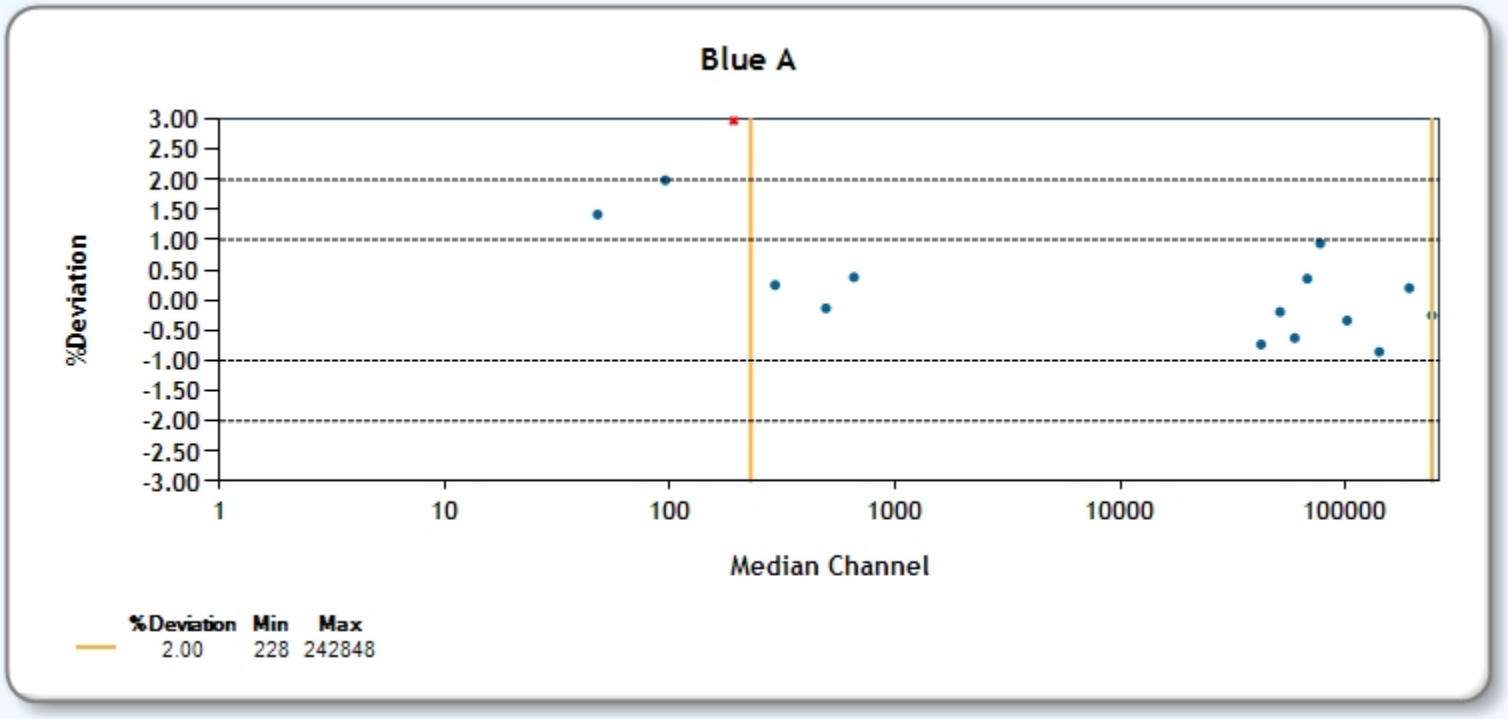

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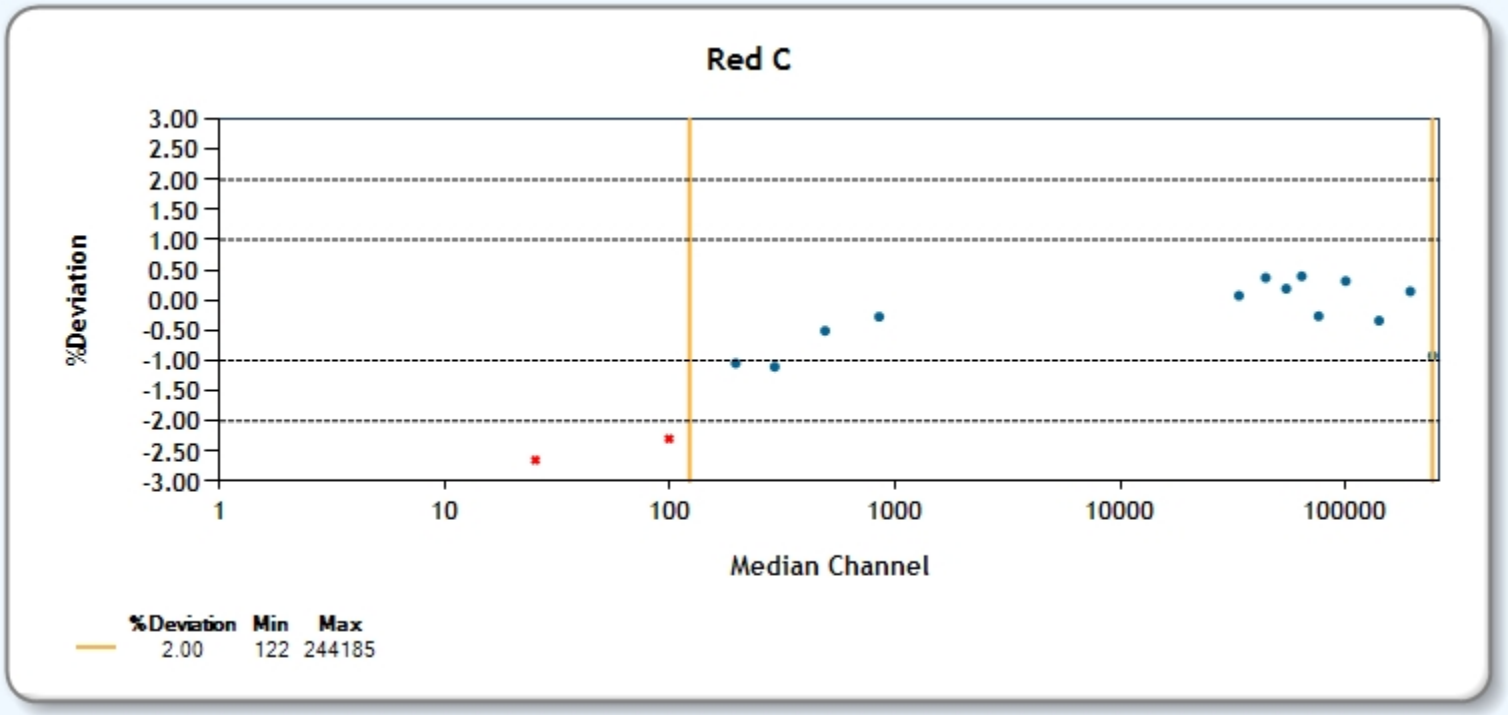

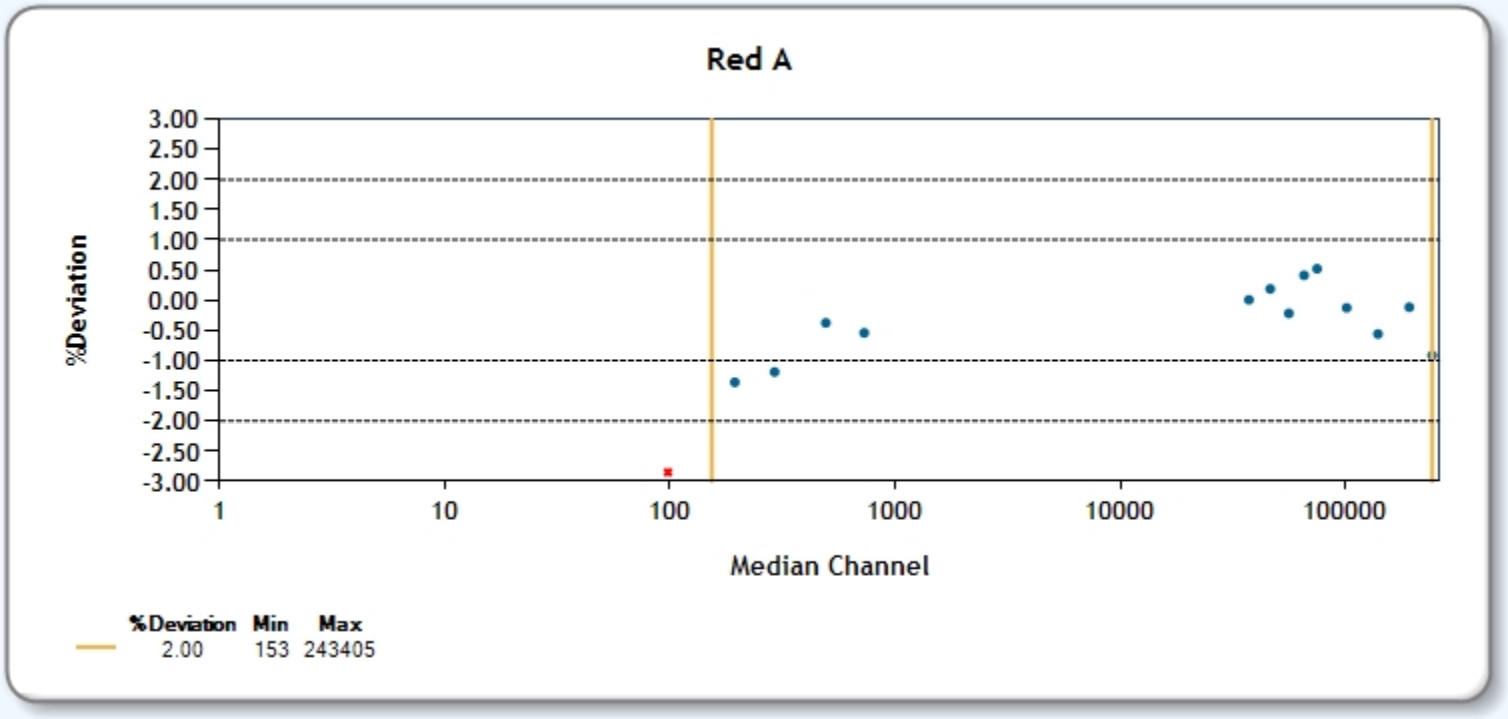

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